# Recommendations

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## **Recommendation on LAr TPC**

### LAr Detector

- "The ND CD group recommends that DUNE should have a LArTPC that is optically segmented, with a short drift and 2D pixelized readout, like the concept under study by the ArgonCube collaboration."

## **Recommendation on Near Hall**

### ND Hall Size

- "The ND CD group recommends that the ND hall should be sized to allow measurements of neutrino interactions at distances up to 35m transverse to the beam axis."
- "The ND CD group recommends that the length of the ND hall in the z direction\* be at least 17m at the on axis location."
- \* Note, the z direction differs from the beam direction by the beam angle (0.101rad).

## **Recommendation on PRISM**

### DUNE PRISM

- "The ND CD group recommends that the DUNE PRISM concept be studied further to quantify the improvement in CP sensitivity with the most realistically implementable and comprehensive systematic effects. The ND CD group recommends that, in parallel, the DUNE PRISM concept be studied for technical feasibility and cost."